Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed

1.1. Name of the Data, data collection Project, or data-producing Program:
USVI larval distribution supply (CRCP)

1.2. Summary description of the data:
Fisheries oceanography research cruises were conducted aboard the NOAA Ship Nancy Foster. The research conducted was aimed at answering the following three questions: 1) How do the abundance and composition of ichthyoplankton around Grammanik Bank and other similar banks change with space and time 2) How much of this variation in abundance and composition can be explained by the oceanographic setting 3) How do the oceanography and ichthyoplankton assemblages interface with the boundary areas of seasonally or permanently closed MPAs We sampled settlement-stage larvae in conjunction with an oceanographic (biological, physical and chemical) survey of the bank system, coral reef environs, and inshore waters of the USVI, with emphasis on present and possible future MPAs. Surveys included bongo and one meter multiple open and closing net environmental sampling system (MOCNESS) trawl tows, as well as CTD02/LADCP casts profiling, temperature, salinity, dissolved oxygen, light transmission, chlorophyll, and water velocity. Continuous surface measurements of temperature, salinity, light transmission, chlorophyll, and water velocity were collected via the ships flow-through system and hull-mounted ADCP. Independent temperature profiles were obtained using XBTs. Finally, satellite-tracked, Lagrangian surface drifters were deployed to assess regional ocean circulation. Stations directed at the Virgin Islands were designed along transects that allowed for sampling near shore, along the shelf edge, and offshore. Depending on the location along the sampling transects, various biological and/or physical oceanographic sampling methods were used.

1.3. Is this a one-time data collection, or an ongoing series of measurements?
Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:
2007 to Present, 2007 to Present, 2007 to Present

1.5. Actual or planned geographic coverage of the data:
W: -76.51783333333, E: -63.45, N: 25.63383333333, S: 17.22333333333

Caribbean Sea

W: -76.51783333333, E: -63.45, N: 25.63383333333, S: 17.22333333333
Caribbean Sea

W: -76.51783333333, E: -63.45, N: 25.63383333333, S: 17.22333333333
Caribbean Sea

1.6. Type(s) of data:
(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)
Table (digital)

1.7. Data collection method(s):
(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)
Instrument: Hull-mounted ADCP, flow-through TSG, CTD rosette, Sea-Bird SBE39, satellite drifters
Platform: NOAA Vessel, University of Miami research vessel
Physical Collection / Fishing Gear: Plankton nets: bongo, neuston, S10, MOCNESS

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:
Trika Gerard

2.2. Title:
Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:
trika.gerard@noaa.gov

2.5. Phone number:
305-361-4493

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:
Trika Gerard

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

No

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

0

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Process Steps:

- Data from some gear types are recorded on paper forms in the field, then entered into Excel sheets and finally an Access database. Those gear which are run by computer programs generate data directly into computer files. These data sometimes must be extracted into Excel form, then uploaded to Access database. Identifications are directly entered into Excel spreadsheets.

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

Larvae are identified using dichotomous keys and published literature, and colleagues in the field are consulted for confirmation and accuracy.

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

Yes

6.1.1. If metadata are non-existent or non-compliant, please explain:

6.2. Name of organization or facility providing metadata hosting:
NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:
https://www.fisheries.noaa.gov/inport/item/30703

6.4. Process for producing and maintaining metadata
(describe or provide URL of description):
Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access
NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?
Yes

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:
National Centers for Environmental Information - Silver Spring, Maryland (NCEI-MD)

7.2.1. If data hosting service is needed, please indicate:
No

7.2.2. URL of data access service, if known:

7.3. Data access methods or services offered:
The data will be available from a public web server once an access methodology has been developed.

7.4. Approximate delay between data collection and dissemination:
365

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:
(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)
WORLD_DATA_CENTER_WDC_FACILITY

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):
National Centers for Environmental Information - Silver Spring, Maryland - Silver Spring, MD

8.3. Approximate delay between data collection and submission to an archive facility:
365

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?
Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection
The data resides on a secure government network requiring multi-factor authentication for network access.

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.